c) hybridizing a reporter probe comprising a reporter moiety to the complement of the adapter sequence;

d) producing a double-stranded reporter moiety; and

f) detecting the double-stranded reporter moiety as an indication of the presence of the target sequence.

60. (New) The method of claim 36 wherein amplification of the target sequence is by strand displacement amplification (SDA), self-sustained sequence replication (3SR), nucleic acid sequence-based amplification (NASBA), transcription-mediated amplification (TMA) or polymerase chain reaction (PCR).

61. (New) The method of claim 36 wherein the complement of the adaptor sequence is produced by:

a) extending the signal primer on the target binding sequence to produce an extension product;

b) disassociating the extension product from the target sequence; and

c) hybridizing an amplification primer to the extension product and extending the amplification primer to synthesize a complement of the adaptor sequence.

REMARKS

Support for new Claim 60 can be found on page 11, line 12 through page 12, line 10 of the specification.

Support for new Claim 61 can be found on Figure 1 as well as 7, lines 16-26 of the specification.

Paper No. 4 presented an objection to claims for improper dependency and a rejection of claims as indefinite. Each of these issues is addressed below.